

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A video coding method comprising:
coding a frame of video data; [[and]]
detecting a processing time required for the coding of the frame; and
controlling the coding of a next frame following the frame based on the detected
processing time so as to maintain a predetermined frame rate ~~of the video data~~.
2. (Canceled)
3. (Currently amended) The video coding method according to claim 1, wherein the controlling comprises controlling a motion vector detection in the coding of the next frame based on the detected processing time.
4. (Original) The video coding method according to claim 3, wherein the controlling comprises controlling a search range or a search precision of a block search in the motion vector detection.
5. (Currently amended) The video coding method according to claim 1, further comprising filtering the frame of video data prior to the coding of the frame, and

wherein the controlling ~~comprising~~ comprises controlling the filtering of the next frame based on the detected processing time ~~state of the coding so that the~~
~~predetermined frame rate is maintained.~~

6. (Currently amended) ~~[[The]]~~ A video coding method ~~according to claim 1,~~
~~wherein the coding which~~ is performed by allowing a CPU to perform a computer
program for ~~[[the]]~~ coding, and

~~the controlling comprises~~ the method comprising:
coding a frame of video data;
detecting a load of the CPU; and
controlling the coding of a next frame following the frame based on the detected
load of the CPU so as to maintain a predetermined frame rate.

7. (Currently amended) A video coding method comprising:
filtering a frame of video data;
coding a frame of the filtered video data; ~~[[and]]~~
detecting a processing time required fro the coding of the frame; and
controlling at least one of the filtering of a next frame following the frame and the
coding of a next frame following the frame based on the detected processing time so as
to maintain a predetermined frame rate ~~of the video data.~~

8. (Canceled)

9. (Currently amended) The video coding method according to claim 7, wherein the controlling comprises controlling a motion vector detection in the coding of the next frame based on the detected processing time.

10. (Currently Amended) The video coding method according to claim ~~[[7]]~~ 9, wherein the controlling comprises controlling a search range or a search precision of a block search in the motion vector detection.

11. (Currently Amended) ~~[[The]]~~ A video coding method ~~according to claim 7,~~ wherein the coding which is performed by allowing a CPU to perform a computer program for ~~[[the]]~~ coding, and

~~the controlling comprises~~ the method comprising:

coding a frame of video data;

detecting a load of the CPU; and

controlling the coding of a next frame following the frame based on the detected load of the CPU so as to maintain a predetermined frame rate.

12. (Currently Amended) A data processing device comprising:
an encoder configured to code a frame of video data; ~~[[and]]~~
a detector configured to detect a processing time required for the coding of the
frame; and

a controller configured to control the encoder for encoding a next frame following the frame based on the detected processing time so ~~[[at]]~~ as to maintain a predetermined frame rate ~~of the video data~~.

13. (Canceled)

14. (Currently Amended) The data processing device according to claim 12, wherein the controller controls a motion vector detection in a coding of the next frame performed by the encoder.

15. (Currently Amended) ~~[[The]]~~ A data processing device ~~according to claim 12, wherein the~~ comprising:

an encoder comprises comprising a CPU operated based on a computer program for ~~[[the]]~~ coding of a frame of video data; ~~and~~

~~the controller detects~~ a detector which detects a load of the CPU; and

a controller which controls the encoder for encoding a next frame following the frame based on the detected load of the CPU.

16. (Currently Amended) A data processing device comprising:
a filter configured to filter a frame of video data;
an encoder configured to code a frame of the filtered video data; ~~[[and]]~~
a detector configured to detect a processing time required for the coding of the frame; and

a controller configured to control at least one of the filter for filtering a next frame following the frame and the ~~encoded~~ encoder for coding the next frame so as to maintain a predetermined frame rate ~~of the video data~~.

17. (Currently Amended) A computer program product configured to store program instructions for execution on a computer system enabling the computer system to perform:

coding a frame of video data; [[and]]
detecting a processing time required for the coding of the frame; and
controlling the coding of a next frame following the frame based on the detected processing time so as to maintain a predetermined frame rate ~~of the video data~~.

18. (Canceled)

19. (Currently Amended) The computer program product according to claim 17, further comprising a program instruction to ~~filtering~~ filter the frame of the video data prior to the coding of the frame, and

wherein the program instruction to controlling ~~comprising~~ comprises a sub-instruction to controlling the filtering of the next frame based on the detected processing time ~~state of the coding so that the predetermined frame rate is maintained~~.

20. (New) The video coding method according to claim 6, wherein the controlling comprises controlling a motion vector detection in the coding of the next frame based on the detected load of the CPU.

21. (New) The video coding method according to claim 20, wherein the controlling comprises controlling a search range or a search precision of a block search in the motion vector detection.

22. (New) The video coding method according to claim 6, further comprising filtering the frame of video data prior to the coding of the frame, and wherein the controlling comprises controlling the filtering based on the detected load of the CPU.

23. (New) The video coding method according to claim 10, wherein the controlling comprises controlling a motion vector detection in the coding of the next frame based on the detected load of the CPU.

24. (New) The video coding method according to claim 10, wherein the controlling comprises controlling a search range or a search precision of a block search in the motion vector detection.

25. (New) The video coding method according to claim 15, wherein the controlling comprises controlling a motion vector detection in the coding of the next frame based on the detected load of the CPU.

26. (New) The video coding method according to claim 15, wherein the controlling comprises controlling a search range or a search precision of a block search in the motion vector detection.